

RESUME

Ali Akbar Aghakouchak Professor of Structural Engineering

• PERSONAL

Date of Birth : 1958
Place of Birth : Yazd / Iran
Nationality : Iranian
Marital Status : Married

• EDUCATION

Degree	: B. S. in Civil Eng.	M.S. in Structural Steel Design	Ph. D. in Ocean Eng.
Institution	: Sharif Univ. of Technology Tehran - Iran	University of London London - England	University of London London - England
Year	: 1984	1985	1989

• FIELD OF SPECIALITY

Analysis and design of offshore structures
Dynamic analysis and seismic design of steel structures

• ACADEMIC TEACHING EXPERIENCE

Date	College	Courses
1989 - Now	Tarbiat Modares University, Tehran, Iran	Dynamics of Structures I,II, Earthquake Engineering, Offshore Structures , Structural Stability, Design of Steel Structures, Mechanics of Solids, Loading,

• ACADEMIC POSITIONS HELD

Date	College	Courses
1990-1992	Tarbiat Modares University	Manager of Structural Eng. Division
1992-1994	Tarbiat Modares University	Vice-President in development projects
1996-1998	Tarbiat Modares University	Manager of Structural Eng. Division
1998–2000	Tarbiat Modares University	Head of Civil Eng. Department

2000	University of British Columbia	Visiting Professor
2001-2003	Tarbiat Modares University	Manager of Earthquake Eng. Division
2005-2007	Tarbiat Modares University	Manager of Structural Eng. Division
2013-2015	Tarbiat Modares University	Manager of Structural Eng. Division
2014-now	Tarbiat Modares University	Secretary of the University Board of Auditors

• PROFESSIONAL EXPERIENCE

Date	Institution	Job Description
2004-2009	Tarbiat Modares University	Consultant to Management and Planning Organization and her affiliated companies as a member of advisory board for seismic retrofit of main buildings and lifelines
1989 - 2014	Tarbiat Modares University	Consultant to National Iranian Oil Company and her affiliated companies for analysis, design, construction and renovation of several offshore projects
1986 - 1989	University of London - Marine Technology Center	Research assistant

• MEMBERSHIP

Date	Institution	Type of Membership
1994 - now	Iranian Society of Earthquake Eng.	Member and Founder, President 1999-2001
1998 - now	National Building Code, Iran	Member of committees responsible for preparation of Chapter 6 (Loading) & Chapter 10 (Design of Steel Structures) of National Building Code
1996 - now	Permanent Committee of Iranian Standard for Design of Earthquake Resistant Structures (Standard 2800)	Member
1995- now	Iranian Society of Civil Eng.	Member
2000-now	Iranian Association of Naval Architecture & Marine Engineering	Member of association and editorial board of the Journal of Marine Engineering

• PUBLICATIONS

• Books

1. Aghakouchak A. A. et al "Experiences and Lessons Learned on Seismic Rehabilitation" Elm & Adab Publishers,(In Persian), 2010

2. Aghakouchak A.A; Majid Zamani S. "Commentary on the 2nd. Edition of Iranian Standard for Seismic Design of Buildings, Standard 2800" National Committee for Natural Disaster Reduction (NCNDR), ISBN964-308-041-2,(In Persian),2003

• Journal Papers

1. Ahmadi Z; Aghakouchak A A; Mirghaderi S R "Cyclic behavior of moment frames with conventional or slit Infills" *Journal of Constructional Steel Research* 178 (2021) 106494, <https://doi.org/10.1016/j.jcsr.2020.106494>
2. Tahernasab M; Aghakouchak A A "Estimating failure probability of IBBC connection using direct coupling of reliability approach and finite element method" *Journal of Building Engineering*, 2021 <https://doi.org/10.1016/j.jobe.2021.102207>
3. Garivani S; Askariani S.S.; Aghakouchak A A; "Seismic design of structures with yielding dampers based on drift demands" *Structures*, 2020, <https://doi.org/10.1016/j.istruc.2020.10.019>
4. Aghakouchak A A; Garivani S; Shahmari A; Heshmati M. "Structural investigation of the collapse of the 16-story Plasco building due to fire" *Struct Design Tall Spec Build.* 2020; <https://doi.org/10.1002/tal.1815>
5. Ahmadi Z; Aghakouchak A A; Mirghaderi S R "Steel slit shear walls with an efficient geometry" *Thin-Walled Structures*, 2020, <https://doi.org/10.1016/j.tws.2020.107296>
6. Tahernasab M; Aghakouchak A A "Parametric study on probabilistic local seismic demand of IBBC connection using finite element reliability method" *Steel and Composite Structures*, Vol. 37, No. 2 (2020) 151-173 DOI: <https://doi.org/10.12989/scs.2020.37.2.151>
7. Khatami A; Heshmati M; Aghakouchak A A "Collapse assessment and seismic performance factors in tall tube-in-tube diagrid buildings" *Earthquakes and Structures*, Vol. 19, No. 3 (2020) 197-214 DOI: <https://doi.org/10.12989/eas.2020.19.3.197>
8. Esfahanian A; Aghakouchak A A "Sensitivity analysis of the influence of ground motion intensity levels on the seismic behavior of steel frames in assessment of the target displacement considering near-fault effects" *Can. J. Civ. Eng.* 47: 470–486 (2020) [dx.doi.org/10.1139/cjce-2018-0416](https://doi.org/10.1139/cjce-2018-0416)
9. Ghasemi Koochi Kheili A.; Aghakouchak A.A. "Feasibility of reducing dynamic response of a fixed offshore platform using tuned liquid dampers" *SHIP TECHNOLOGY RESEARCH*, 2020 , DOI : <https://doi.org/10.1080/09377255.2020.1763591>
10. Aliakbari F; Garivani S; Aghakouchak A A; "An energy based method for seismic design of frame structures equipped with metallic yielding dampers considering uniform inter-story drift concept" *Engineering Structures*, 2020, <https://doi.org/10.1016/j.engstruct.2019.110114>
11. Heshmati M; Aghakouchak A A "Collapse analysis of regular and irregular tall steel moment frames under fire loading" *Struct Design Tall Spec Build.*, 2019, <https://doi.org/10.1002/tal.1696>
12. Ahmadi MT; Aghakouchak A A; et al " Collapse of the 16-Story Plasco Building in Tehran due to Fire" *Fire Technology* ' 2019, <https://doi.org/10.1007/s10694-019-00903-y>

13. Ranaei O; Aghakouchak “A new hybrid energy dissipation system with viscoelastic and flexural yielding strips dampers for multi-level vibration control” *Archives of Civil and Mechanical Engineering*, 2019, I9, 584-597 , <https://doi.org/10.1016/j.acme.2018.12.005>
14. Heidari M; Aghakouchak A A; “Introduction and Investigation of a New Steel Brace with Self-Centering and Energy Dissipating Capabilities” *Modares Civil Engineering Journal*. Vol. 19, No 1, April 2019(In Persian)
15. Esfahanian A; Aghakouchak A A “A Single-Run Dynamic-Based Approach for Pushover Analysis of Structures Subjected to Near-Fault Pulse-Like Ground Motions” *Journal of Earthquake Engineering*, 2019, Vol 23, No 5, 725-749, DOI: 10.1080/13632469.2017.1326420
16. Heshmati M; Aghakouchak A A “Quantification of seismic performance factors of steel diagridsystem” *Struct Design Tall Spec Build.*, 2019, <https://doi.org/10.1002/tal.1572>
17. Garivani S; Aghakouchak A A; Shahbeyk S “Seismic Behavior of Steel Frames Equipped with Comb-Teeth Metallic Yielding Dampers” *Int. J. of Steel Structures*, 2019, Vol19, No4, 1070-1083 DOI: <https://doi.org/10.1007/s13296-018-0188-6>
18. Ahmadi MH; Aghakouchak A A; “Development of design method for structures equipped with a combination of yielding metallic dampers based on performance objectives” *Modares Civil Engineering Journal*. Vol. 18, No 5, Sept 2018(In Persian)
19. Izadi A; Aghakouchak A A “Evaluation of seismic criteria of built-up special concentrically braced frames” *Steel and Composite Structures*, Vol. 29, No. 1 (2018) 23–37, DOI: <https://doi.org/10.12989/scs.2018.29.1.023>
20. Naderpour M N; Aghakouchak A A “Probabilistic damage assessment of concentrically braced frames with built up braces” *Journal of Constructional Steel Research* 147 (2018) 191–202
21. Rooin M; Aghakouchak A A “The effect of concrete slab on the behavior of connections in steel moment resisting frames” *Modares Civil Engineering Journal*. Vol. 18, No 3, July 2018(In Persian)
22. Izadi A; Aghakouchak A A “Numerical study of cyclic and failure behavior of built-up concentric braces containing double angle sections” *Modares Civil Engineering Journal*. Vol. 17, No 3, August 2017(In Persian)
23. Esfahanian A; Aghakouchak A A “A New Method for Estimation of Target Displacement in Nonlinear Static Analysis of Structures Subjected to Near-fault Ground Motions” *Quarterly Journal of Earthquake Engineering and Science*, 2017, No.1, Vol 4, (In Persian)
24. Naderpour M N; Aghakouchak A A “Cyclic Behavior of Concentrically Braced Frames with Built-Up Braces Composed of Channel Sections” *International Journal of Steel Structures* 17(4): 1-13 (2017) DOI 10.1007/s13296
25. Khalilpour S H; Aghakouchak A A “Determination of blast pressure distribution around cylindrical shape based on numerical simulation of explosion” *Modares Mechanical Engineering*, Vol. 17, No. 2, pp. 19-28, 2017 (in Persian)
26. Amiri H.R; Aghakouchak A. A; Shahbeyk S.; “Development of Parametric Equations for Behavior Characteristics of Conventional Saddle-like Connections” *Modares Civil Engineering Journal*. Vol.16, No.4, September 2016 (In Persian)
27. Kermajani M; Malek Ghaini F; Miresmaeili R, Aghakouchak A A; Shadmand M “Effect of weld metal toughness on fracture behavior under ultra-low cycle fatigue loading(earthquake)” *Materials Science & Engineering A* 668(2016)30–37

28. Fooladvand A; Aghakouchak A A; Shahbeyk S “Numerical and Experimental Study of Cyclic Behavior of Special Concentric Braced Frames” *Omran Sharif* , Vol 2-31, No4/1, Spring 2016, pp51-60-20(In Persian)
29. Hosseinejad M; Aghakouchak A A “Analysis of the Behavior of Tubular T Joints Strengthened by FRP under Compressive axial Load” *Modares Civil Engineering Journal*. Vol. 16, No 1, March 2016(In Persian)
30. Garivani S; Aghakouchak A A; Shahbeyk S “Numerical and Experimental Study of Comb-Teeth Metallic Yielding Dampers” *Int. J. of Steel Structures*, Vol 16, No1, 2016, pp1-20
31. Fayazi A R; Aghakouchak A. A “Reliability Based Assessment of Existing Fixed Offshore Platforms Located in the Persian Gulf” *I. J. Of Maritime Technology*, Vol 4, 2015, pp 37-50
32. Garivani S; Aghakouchak A A; Shahbeyk S “Comb-Teeth Metallic Yielding Dampers for Improving cyclic behavior of Steel Frames” *Modares Civil Engineering Journal*. Vol. 15, Special Issue Summer 2015 (In Persian)
33. Hajari M. A.: Aghakouchak A. A “Seismic analysis of secondary systems installed on topside of offshore platforms” *Journal of Marine Engineering, IANAME*, Vol 11, No. 21, Spring &Summer 2015, pp 69-82(In Persian)
34. Esfahanian A; Aghakouchak A. A “On the improvement of inelastic displacement demands for near fault ground motions considering various faulting mechanisms” *Earthquakes and Structures*, Vol. 9, No. 3 (2015) 673-698
35. Gholami Korzani M; Aghakouchak A. A “Soil-Structure Interaction Analysis of Jack-up Platforms Subjected to Monochrome and Irregular Waves” *China Ocean Eng.*, Vol. 29, No. 1, pp. 65 – 80;2015
36. Kaveh A; Aghakouchak A.A.; Zakian P “Reduced record method for efficient time history dynamic analysis and optimal design” *Earthquakes and Structures*, Vol. 8, No. 3 (2015) 637-661
37. Mirzabagheri S; Sanati M; Aghakouchak A.A.; Khadem S.E. “Experimental and numerical investigation of rotational friction dampers with multi units in steel frames subjected to lateral excitation” *Archives of Civil and Mechanical Engineering* 1 5 (2 0 1 5) 4 7 9 – 4 9 1
38. Garivani S; Aghakouchak A. A.; Soltani Mohammadi M “Effects of strengthening the masonry infills by reinforced shotcrete on seismic behavior of steel frames with Khorjeeni connections and their elements ”*Modares Civil Engineering Journal*. Vol. 13, No.3 Autumn 2013 (In Persian)
39. Alipour M; A; Aghakouchak A. A “ Numerical analysis of the nonlinear performance of concentrically braced frames under cyclic loading” *Int. J. of Steel Structures*, Vol 13, No3, Sept 2013, pp401-419
40. Rahimi S; Soltani Mohammadi M; Aghakouchak A. A. “Simulation of the interaction effects of infil panels- concrete frames on the progressive collapse potential” *Modares Civil Engineering Journal*. Vol. 13, No.2, Summer 2013 (In Persian) pp 37-50
41. Naderpour N; Aghakouchak A. A. “The Effects of beam characteristics on seismic behavior of chevron braced frames with different configurations” *Modares Civil Engineering Journal*. Vol. 13, Supplement, Spring 2013 (In Persian) pp 185-194
42. Fayazi A R; Aghakouchak A. A “Calculation of probable extreme wave height during life time of offshore platforms in the Persian Gulf” *Journal of Marine Engineering, IANAME*, Vol 9, No. 18, Fall &Winter 2013, pp 83-91(In Persian)

43. Amiri H.R; Aghakouchak A. A; Shahbeyk S.; Engelhardt M.D.” Finite Element Simulation of ultra low cycle fatigue cracking in steel structures” *J. of Constructional Steel Research* 89 (2013) pp 175-184
44. Mahdavi J; Aghakouchak A. A; Komak Panah A. “Improving seismic performance of pile supported wharves using seismic isolators” *Journal of Marine Engineering*, IANAME, Vol 8, No. 16, Fall & Winter 2012, pp 79-94(In Persian)
45. Seddighian Kashani M. R; Aghakouchak A. A “I beam to Box column rigid connection without internal continuity plate for column tree construction” *Structure & Steel*, Vol 8, Spring and Summer 2012, pp- 5-15, (In Persian)
46. Garivani S; Aghakouchak A. A “A formula for calculating vertical stiffness of Khorjeeni connection” *Structure & Steel*, Vol 8, Spring and Summer 2012, pp- 109- 118, (In Persian)
47. Dehghani E; Daneshjoo F; Aghakouchak A. A.; Khaki N. “ A new bond-slip model for adhesive in CFRP-steel composite systems” *Engineering Structures*, Vol 34, 2012, pp 447-454
48. Sazmand E; Aghakouchak A. A; Mazrouei A “ The effect of panel zone on lateral behavior of Steel MR Frames Composed of Built-up Columns” *Structure & Steel*, Special issue, Winter 2012, pp-41-52, (In Persian)
49. Daei B; Aghakouchak A. A “ Assessment of nonlinear static procedures for determination of target displacement in asymmetric buildings” *Advances in Structural Engineering*, Vol 15, No. 8, August 2012, pp1265-1279
50. Majid zamani S; Vafaei A; Aghakouchak A. A; Kazemi MT “ Experimental Investigation of Steel Frames with single bays of Symmetrical Y-Shaped Concentric Bracings” *Scientia Iranica A*, Vol 19, No2, 2012, pp 195-210
51. Gholami Korzani M; Aghakouchak A. A “ Evaluating Dynamic Response of Jack-up Platforms in Granular Soil” *Journal of Marine Engineering*, IANAME, Vol 7, No. 14, Fall & Winter 2012, pp 1-17(In Persian)
52. Sazmand E; Aghakouchak A. A “Modeling of the Panel Zone in Steel MR Frames Composed of Built-up Columns” *J. of Constructional Steel Research* 77 (2012) pp 54-68
53. Garivani S; Aghakouchak A. A.; Soltani Mohammadi M “Effects of masonry infills on seismic behavior of steel frames with Khorjeeni connections and their elements ”*Modares Civil Engineering Journal*. Vol. 12, No.1, Spring 2012 (In Persian)
54. Majid zamani S; Vafaei A; Aghakouchak A. A “ Experimental Investigation of Steel Frames Braced with Symmetrical Pairs of Y-Shaped Concentric Bracings” *Int. J. of Steel Structures*, Vol 11, No2, June 2011, pp117-131
55. Ranaei A; Aghakouchak A. A” Analysis of offshore pipeline during transportation to installation site by surface tow method” *Journal of Marine Engineering*, IANAME, Vol 7, No. 14, Spring & Summer 2012, pp 1-14(In Persian)
56. Jahanpour A; Moharrami H; Aghakouchak A. A “Evaluation of ultimate capacity of semi-supported steel shear walls” *J. of Constructional Steel Research* 67 (2011) pp 1022-1030
57. Azizi H; Aghakouchak A. A; Soltani Mohammadi M “ Seismic analysis of the in-plane behavior of masonry walls retrofitted with RC overlay” *International Journal of Engineering Science*. No. 10A, Vol 19 , 2009, pp 157-166 (In Persian)

58. Ataei Sh.; Aghakouchak A. A.; Marefat M. S.; Mohammadzadeh S. " Finite element model updating of a railway bridge using artificial neural networks" *Modares Technical and Engineering Journal* , ,Vol 33, Fall 2008, pp 83-93 (In Persian)
59. Jafarzadeh R; Aghakouchak AA; "Evaluation of deflection and displacement amplification factor in steel concentrically braced frames(CBF) and steel ordinary moment resisting frames (OMRF) " *International Journal of Engineering Science*. No. 2, Vol 19 Summer 2008, pp 1-14 (In Persian)
60. Homami P; Aghakouchak AA; "Seismic reliability analysis of moment resisting steel frames" *Journal of Seismology and Earthquake Engineering*. No. 4, Vol 9 Winter 2008, pp 183-192 (In Persian)
61. Dehghani Ashkezari G; Aghakouchak A A; Kokabi M; "Design, manufacturing and evaluation of the performance of steel like fiber reinforced elastomeric seismic isolators" *Journal of Materials Processing Technology*, Vol 197, No 1-3, Feb2008, , pp 140-150
62. Dehghani Ashkezari G; Aghakouchak A A; Kokabi M; "Experimental investigation of the performance of fiber reinforced elastomeric seismic isolators" *Journal of Faculty of Engineering*, Vol 41, No 6, Jan2008, , pp 739-752 (In Persian)
63. Golbahar Haghghi M; Aghakouchak A A; "Analysis of marine pipelines subject to earthquake wave propagation and seismic faults " *Journal of Marine Engineering, IANAME*, Vol 3, No. 5, Winter 2007, pp 1-11(In Persian)
64. Fathi A; Aghakouchak A. A. " Prediction of fatigue crack growth rate in welded tubular joints using neural network" *International Journal Of Fatigue* Elsevier ,Vol 29, Issue 2, February 2007, pp 261-275
65. Asgarian B; Aghakouchak A A; Bea R.G. "Nonlinear Analysis of Jacket Type Offshore Platforms Using Fiber Elements " *J. of Offshore Mechanics and Arctic Engineering*, ASME, Vol 128, August 2006, pp 224-232
66. Aghakouchak AA; Ghasemi A; Veshkini P "Behaviour Factor for Steel Frames with Saddle-Like (Khorjeeni) Connections" *Building Engineering and Housing Science Journal*. No. 6, Vol 3 Spring & Winter 2005, pp 17-30 (In Persian)
67. Ataei Sh.; Aghakouchak A. A.; Marefat M. S.; Mohammadzadeh S. " Sensor fusion of a railway bridge load test using neural networks" *Expert Systems with Application* , Elsevier ,Vol 29,2005, pp 678-683
68. Asgarian B; Aghakouchak A A; Bea R.G. "Inelastic Postbuckling and Cyclic Behavior of Tubular Braces" *J. of Offshore Mechanics and Arctic Engineering*, ASME, Vol 127, August 2005, pp 256-262
69. El Naggar M.H; Shayanfar, M.A.; Kimiaei, M; Aghakouchak A A " Simplified BNWF Model for Nonlinear Seismic Response Analysis of Offshore Piles with non-Linear Input Ground Motion Analysis" *Canadian Geotechnical Journal*, Vol 42, 2005, pp 365-380
70. ; Aghakouchak A A; Adl, M " Parametric Study of Spectral Fatigue Analysis of Connections in Fixed Offshore Platforms" *Amirkabir J. of Science and Technology* , Vol 15, No. 60-1, Winter 2004, pp133-147 (In Persian)
71. Kimiaei, M; Shayanfar, M.A.; El Naggar M.H; Aghakouchak A A " Simplified BNWF Model for Nonlinear Seismic Response Analysis of Offshore Piles with Linear Input Ground Motion Analysis" *International Journal Of Civil Engineering*, Vol2, No.1. June 2004, pp 123-139

72. Fathi A; Aghakouchak A A; “Evaluating the Fatigue Crack Growth Rate in Offshore Tubular Joints Using Artificial Neural Networks “ *Journal of Marine Engineering*, IANAME, Vol 1, No. 1, Summer 2004, pp 1-11(In Persian)
73. Aghakouchak AA; Veshkini P “ Experimental Study of Ductility of Steel Frames with Saddle-Like (Khorjeeni) Connections “ *Modarres Technical and Engineering Journal*. No. 14, Winter 2004, pp 15-27 (In Persian)
74. Asgarian B.; Aghakouchak A.A ”Modelling of nonlinear and postbuckling behaviour of tubular structural members using fiber element” *Journal of Faculty of Engineering*, University of Tehran, Vol 36, No.1, 2002 ,pp 35-46, (In Persian)
75. Aghakouchak A.A.; Stiemer, S. F. “ Fatigue reliability assessment of tubular joints of existing offshore structures” *Canadian Journal of Civil Engineering*, Volume 28, Number 4, August 2001, pp 691-698
76. Aghakouchak A. A.; Torkzadeh Mahani J ” A Study of Ductility Demand of Steel Frames Using Non-Linear Dynamic Analysis” *International Journal of Engineering Science*, Special Issue, Civil Engineering, 2001
77. Mosayyebi,A.R.; Aghakouchak,A.A.” Fatigue Reliability Analysis of Tubular Joints of Offshore Structures Using Response Surface Method” *Asian Journal of Civil Engineering* , Vol. 1, No. 1, January 2000, pp 75-87
78. Aghakouchack, A.A., Mosayyebi, A.R. “Fatigue Reliability Analysis of Tubular Joints of Offshore Structures Using The Principle of Maximum Entropy” *J. Of Scientia Iranica*, Vol 6,No3 & 4 ,Fall 1999, pp 213-218
79. Memari, A.M, Aghakouchack A.A., et al “Full-Scale Dynamic Testing of a Steel Building During Construction”, *J. of Engineering Structures*, 21(12),1999, pp 1115-1127.
80. Jafari, A. M., Aghakouchack A.A., “ Experimental Study Of Grading Effect on Stability of S-Shape Breakwaters,” *Modarres Technical and Engineering Journal*, No. 3, Winter 1998, pp-1-9
81. Aghakouchak, A.A., Mosayyebi, A.R. “ The Effect of Stress Intensity Factor on Reliability of Tubular Joints of Offshore Structures Subjected to Fatigue”, *Amirkabir Journal of Science & Technology*, Vol. 9, No.35, 1997. (In Persian)
82. Aghakouchak, A.A. and Mahmoodi, M. “Evaluation of Dynamic Characteristics of Multi Story Buildings Using Forced Vibration Tests”, *Amirkabir Journal of Science and Technology*, Vol 8,No.31, 1996. (In Persian)
83. Aghakouchak, A. A. “A Study of Dynamic Characteristics of A Multistory Building Using Ambient Vibration Tests” *Int. Journal of Engineering*, Vol 9, No. 1, February 1996.
84. Aghakouchak, A.A. and Vaseghi, J “Analysis of Crack Propagation Path in 2-D bodies” *Amirkabir Journal of Science and Technology*, Vol 6, No. 23, 1993. (In Persian)
85. Aghakouchak, A. A. ; Dharmavasan, S. ; Glinka, G. “ Stress Intensity Factors for Cracks in Structures Under Different Boundary Conditions” , *J. of Engineering Fracture Mechanics*, vol. 37 No. 5, PP 1125- 1137, 1990

- **Selected Conference Papers**

1. Naseh Fard H; Aghakouchak A A” Analysis of wind dynamic effects on Milad Tower using spectral method and comparison with site measurements” Proceedings of the 10th International Congress of Civil Engineering, Tabriz, Iran, May 2015. (In Persian)
2. Kahrizi H; Aghakouchak A A” Numerical Analysis OF the Behavior Of Concentrically Braced Frames Under Cyclic Loading Considering Column Orientation” Proceedings of 7th International Conference on Seismology and Earthquake Engineering, Tehran, Iran, May 2015
3. Garivani S; Aghakouchak A A; Shahbeyk S ” An Efficient Energy Dissipating Device Called Comb Teeth Damper” Proceedings of 7th International Conference on Seismology and Earthquake Engineering, Tehran, Iran, May 2015
4. Aghakouchak A A “ Recent research on seismic behavior of steel structures commonly used in Iran” Iran-US joint Seismic Workshop, December 18-20, 2012, Tehran, Iran
5. Ramazan Sefat H; Aghakouchak A A; Shahbeyk S “Behavior of Steel Intermediate Moment Frames Designed According to Iranian National Building Code Under Lateral Load” The 15th World Conference on Earthquake Engineering , Sep24-28, 2012, Lisbon, Portugal
6. Firouzi V; Aghakouchak A A; Zeinoddini M “ Nonlinear Dynamic Analysis of Jacket Platforms Due to Ship Impact” The 2011 World Congress on Advances in Structural Engineering and Mechanics, Seoul, Korea, September 2011
7. Tork Ladani F; Aghakouchak A A “ Combination of Variable Friction Pendulum System in Parallel with Lead Rubber Bearing for Near Fault earthquakes” Proceedings of 6th International Conference on Seismology and Earthquake Engineering, Tehran, Iran, May 2011
8. Mirzabagheri S; Aghakouchak A A “ Efficiency of Rotational Friction Damper in Improving Seismic Behavior of Steel Structures” Proceedings of 6th International Conference on Seismology and Earthquake Engineering, Tehran, Iran, May 2011
9. Shakib H; Emadi A ; Aghakouchak A A “An investigation on the accuracy of push over analysis for estimating the seismic demands of the 3D buildings with set-back” X International Conference on Computational Plasticity COMPLAS Barcelona, Spain 2009
10. Samadani S; Aghakouchak A A; Mirzadeh Niasar J “ Nonlinear Analysis of Offshore Platforms subjected to earthquake loading considering the effects of joint flexibility” Proc of 28th International Conference on Offshore Mechanics and Arctic Engineering, OMAE 2009, Honolulu, Hawaii, June 2009
11. Daei B; Aghakouchak A "Push over analysis for plan asymmetric buildings" Proceedings of the 8th International Congress of Civil Engineering, Shiraz, Iran, May 2009. (In Persian)
12. Amiri HR; Aghakouchak A " On the accuracy of Capacity Spectrum Method in determining target displacements in steel frames with saddle like connections" Proceedings of the 8th International Congress of Civil Engineering, Shiraz, Iran, May 2009. (In Persian)
13. Siawashpour S; Soltani Mohammadi M; Aghakouchak A "Fragility curves for vulnerability assessment of equipment supports" Proceedings of the 8th International Congress of Civil Engineering, Shiraz, Iran, May 2009. (In Persian)
14. Jahanpour A; Moharrami H, Aghakouchak A " Ultimate capacity of thin steel shear walls partially restrained at the edges" Proceedings of the 8th International Congress of Civil Engineering, Shiraz, Iran, May 2009. (In Persian)

15. Aghakouchak A A, Asgarian B, Alanjari P; Assareh MA “Incremental Dynamic Analysis of Jacket Type Offshore Platforms Considering Soil-Pile Interaction” The 14th World Conference on Earthquake Engineering, October 12-17, 2008, Beijing, China
16. Zargar E; Aghakouchak A A; Aghakouchak A “ Nonlinear Response Analysis of fixed Offshore Platforms to seismic excitation including soil-pile-structure interaction” Proc of 27th International Conference on Offshore Mechanics and Arctic Engineering, OMAE 2008, Storil, Portugal, June 2008
17. Mirzadeh J; Aghakouchak A A; Samadani S; Aghakouchak A “ Ultimate strength Analysis of jacket type Offshore Platforms due to wave, current and wind loading” Proc of 27th International Conference on Offshore Mechanics and Arctic Engineering, OMAE 2008, Storil, Portugal, June 2008
18. Kimiaei, M; Aghakouchak A A; Shayanfar, M.A.; El Naggar M.H; “ A Model for Nonlinear Seismic Response Analysis of Jacket Type Offshore Platforms”, Proc of 25th *International Conference on Offshore Mechanics and Arctic Engineering*, OMAE 2006, Hamburg, Germany, June 2006
19. Aliabadi D, Aghakouchak AA “ Analysis of the rigid connection recommended in Iranian Standard 2800 and its effects on the behavior of steel moment resisting frames” *Proceedings of the Seventh International Congress of Civil Engineering*, Tehran, Iran, May 2006. (In Persian)
20. Homami P, Aghakouchak AA “Principles of Fuzzy reliability analysis of Structures” *Proceedings of the Seventh International Congress of Civil Engineering*, Tehran, Iran, May 2006. (In Persian)
21. Kimiaei, M; Shayanfar, M.A.; El Naggar M.H; Aghakouchak A A; “The Effects of Free Field Ground Motion Analysis on Seismic Response of Offshore Piles”, Proc of 24th *International Conference on Offshore Mechanics and Arctic Engineering*, OMAE 2005, Halkidiki, Greece, June 2005
22. Ghasemi A, Aghakouchak AA “ The Effect of Overstrength on Behavior Factor of Steel Frames with Saddle Like (Khorjeeni) Connections” *Proceedings of the Second National Congress of Civil Engineering*, Tehran, Iran, May 2005. (In Persian)
23. Ahmadi Sarchaghani J; Aghakouchak AA;” Reliability of Seismic Design of offshore Platforms based on API RP2A-LRFD in The Persian Gulf” *Proceedings of 6th Int. Conf. on Coasts, Ports & Marine Structures (ICOPMAS 2004)*, Tehran, Iran, Dec.2004. (In Persian)
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